

METHODS AND APPARATUS FOR MACHINING COMPONENTS

ABSTRACT OF THE DISCLOSURE

A method of using a machining assembly to machine a plurality of different turbine components that include a dovetail having a contoured profile. The method includes removably coupling a first set of retainers into the machining assembly, the first set of retainers include an upper portion having a profile that substantially mirrors a portion of the first dovetail, and a lower portion having a profile that substantially mirrors an opposite side of the first dovetail, coupling a first turbine component between the upper and lower portions such that the first turbine component is secured by the first set of retainers, coupling the machining assembly into a milling machine, and machining at least one seal groove into the dovetail of the first turbine component.